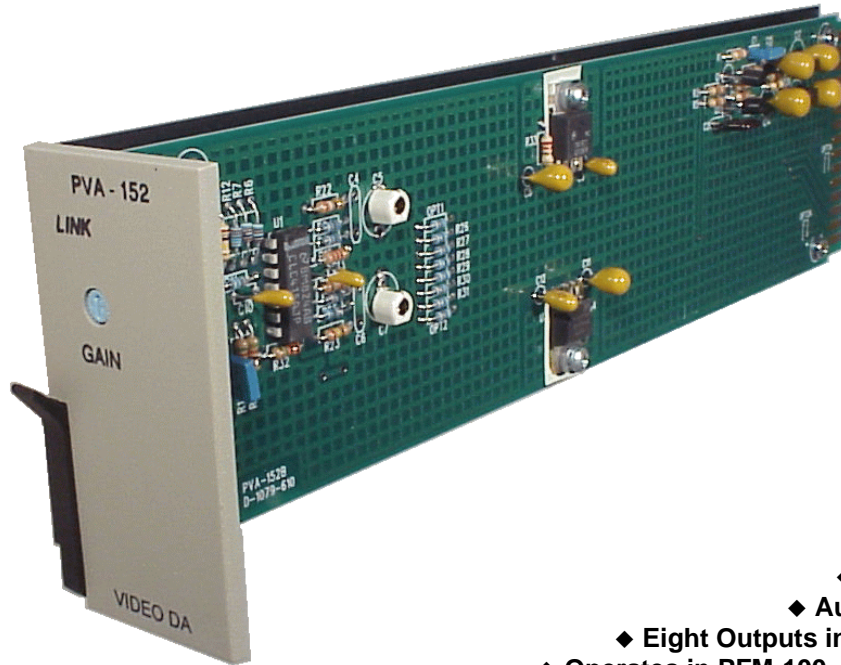




**LINK ELECTRONICS, INC.**

## VIDEO DISTRIBUTION AMPLIFIER MODEL PVA-152



### FEATURES

- ◆ Six Outputs
- ◆ Flat to 40MHz
- ◆ Differential Input
- ◆ Automatic DC Offset
- ◆ Eight Outputs in a PFM-210 Frame
- ◆ Operates in PFM-100, PFM-300, PFM-210

The PVA-152 Video Distribution Amplifier reflects the latest state of the art in engineering. The PVA-152 is an excellent utility video amplifier and provides outstanding performance. The "100" series products are designed to meet critical needs for all types of system applications.

The PVA-152/1 operates in the PFM-210 mounting frame. When operating in the PFM-210 frame there are eight outputs. The PFM-210 holds up to four PVA-152 modules.

The PVA-152 offers transparent transmission with a frequency response of greater than 40MHz. A differential amplifier on the input is standard and provides more than 70dB of common mode rejection. Internal jumpers select AC or DC coupling. A master gain control on the front panel adjusts the video level from -2dB to +6dB.

The companion audio DA for the PVA-152 is model PAA-652. The PAA-652 operates in the PFM-220 frame. The PAA-652 has eight outputs when operating in the PFM-220 mounting frame.

**MODEL PVA-152  
VIDEO DA**

**SPECIFICATIONS**

**INPUT:**

Video: ..... 1.0 V p-p  $\pm$ 3dB  
Impedance: ..... >100K  $\Omega$ , Bridging  
Common Mode Range: ..... 5Vp-p (60Hz)  
Maximum DC In: .....  $\pm$ 4VDC  
CMRR: ..... >70dB @ 60Hz  
Coupling: ..... AC, selectable DC

Ringing: ..... <0.5%  
High Freq. Overshoot: ..... <0.5%  
Coupling: . . . DC Servo, Avg. DC Output=0  
Residual DC on Video: . . <4mV, Typical 1mV  
Low Freq. Bounce: . 10 to 90% APL @1Vp-p  
Propagation Delay: ..... 10.2nS

**OUTPUTS:**

Number: ..... Six  
..... Eight outputs in PFM-210  
Level: ..... Unity Gain, +6dB, -2dB

**FRONT PANEL CONTROLS:**

Gain: ..... +6dB to -2dB

**AMPLIFIER PERFORMANCE:**

Frequency Response: . . . .  $\pm$ 0.2dB to 20MHz  
.....  $\pm$ 1.0dB to 30MHz  
.....  $\pm$ 2.0dB to 40MHz  
Differential Gain: ..... <0.2%  
Differential Phase: ..... <0.1°  
DC Gain Stability: .....  $\pm$ 0.1dB  
Noise: ..... >60dB, below 1.0Vp-p  
Hum: ..... >70dB, below 1.0Vp-p  
Output isolation: ..... >-40dB at 3.59MHz  
Return Loss: ..... >40dB to 6dB  
..... 39dB to 20MHz  
Tilt: ..... <0.5%

**ENVIRONMENTAL:**

Temperature: ..... 0° TO 50°C, Ambient  
Humidity: ..... 0% to 90% non-condensing

**POWER:**

DC Voltage ..... +8VDC (50mA)  
..... -15VDC (30mA)

**MECHANICAL:**

High: ..... 2.875"  
Wide: ..... 1.5"  
Deep: ..... 11.875"  
Weight: ..... 7.5oz.

Mounting: Mounts in 100, 300, 600 or 210 frame.  
(600 frame requires rear cells).

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**PROFESSIONAL SERIES--  
modular system products--by LINK**